



THE HANFORD SITE

Immobilized Low-Activity Waste Transporter System

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Safety Message: Open Communication

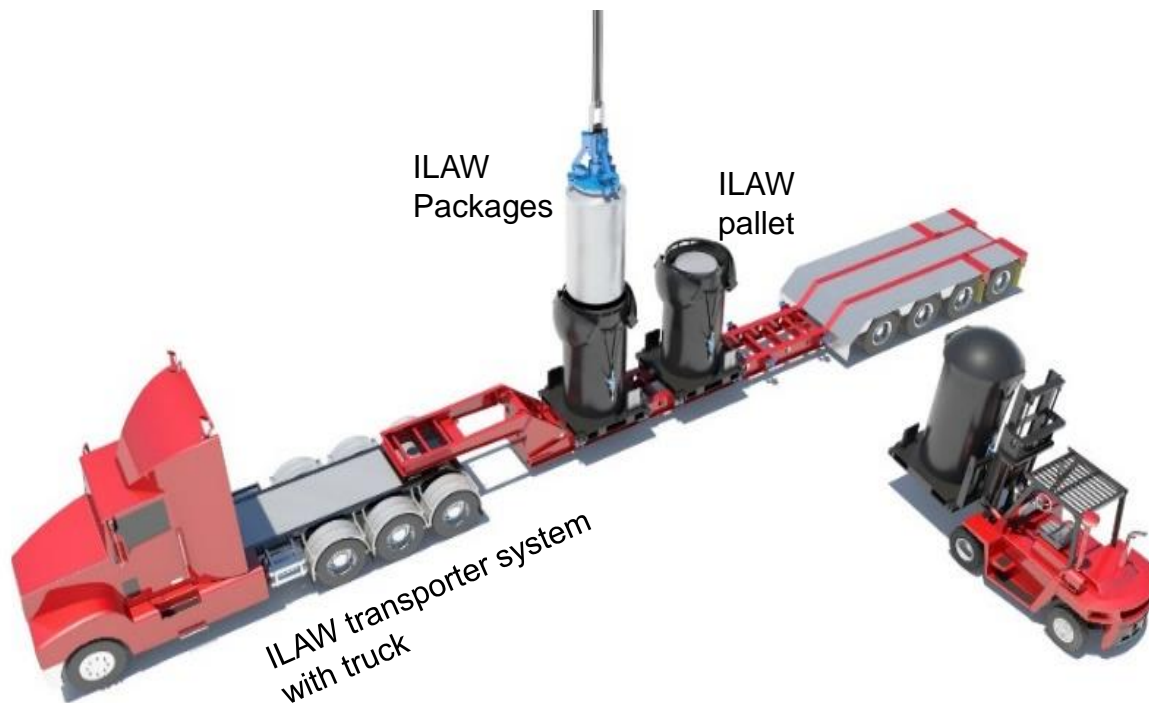
- Open communication and fostering an environment free from retribution
- A high level of trust is established in the organization.

- What is the Immobilized Low-Activity Waste (ILAW) transporter system?
- What is its purpose?



Immobilized Low-Activity Waste transporter system

What is the ILAW Transporter System?



- ILAW Pallet: Carbon steel cylinder welded to a square box-like base
- ILAW Packages: Stainless steel container that contains vitrified (immobilized within a glass matrix) low-activity waste
- Trailer: Commercial open-frame drop-deck trailer modified with twist locks

- Design prototype (fiscal year 2017)
- Fabricated prototype and testing (fiscal year 2018)
- Complete testing, finalize design and begin procurement (fiscal year 2019)
- Complete fabrication, commissioning and operational turnover (fiscal year 2020 – 2021)



Immobilized Low-Activity Waste pallets



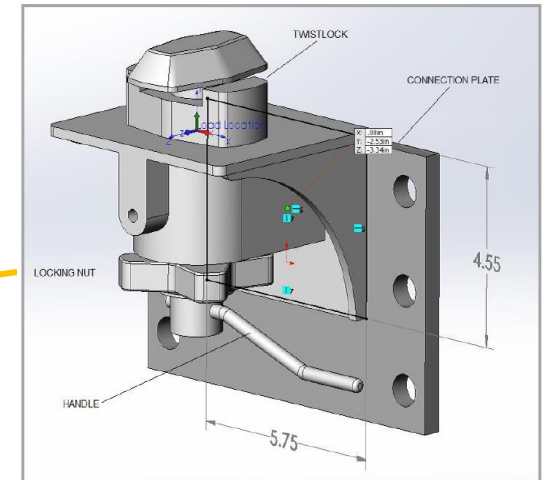
Immobilized Low-Activity Waste trailers



ILAW
Packages



ILAW pallet interior, Dec 2019



Twist lock

- Length: 68 feet (including truck cab)
- Width: 10 feet
- Number of trailers: Four (including one prototype)
- Gross Weight: 105,000 lb.



Electric landing gear

Transportation Route



Testing of Prototype ILAW Pallets and Trailers



ILAW pallets and trailer testing, 2019



Remotely loading ILAW container using overhead gantry crane, 2019

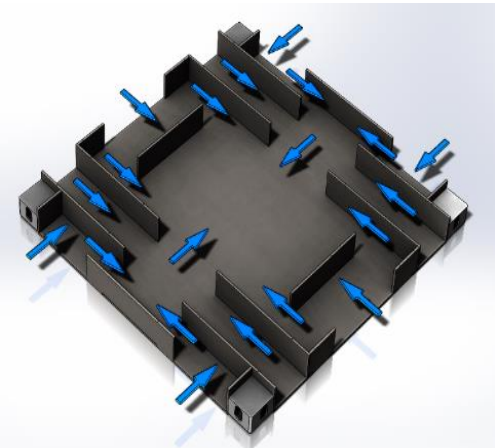
ILAW Container and Pallet Unloading



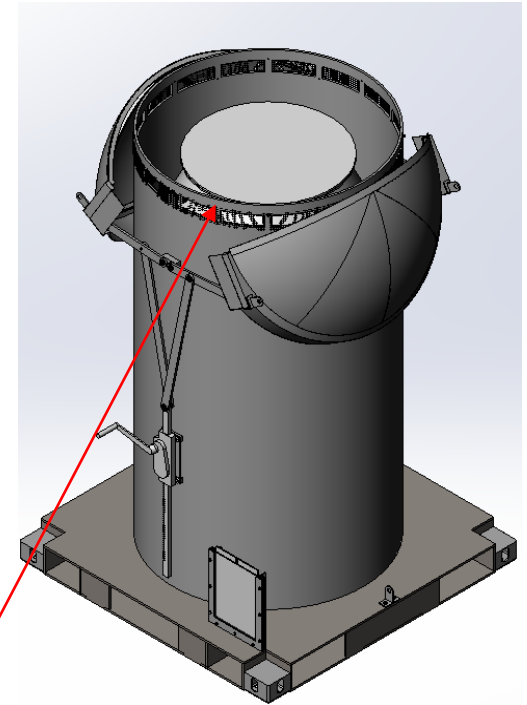
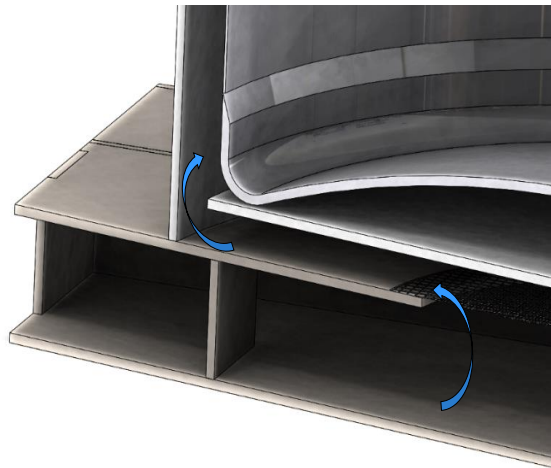
ILAW container Unloading, 2019



unloading of ILAW pallets using fork lift, 2019



Passive airflow through pallet bottom



Top vents under closed lid

Questions?



December 2019